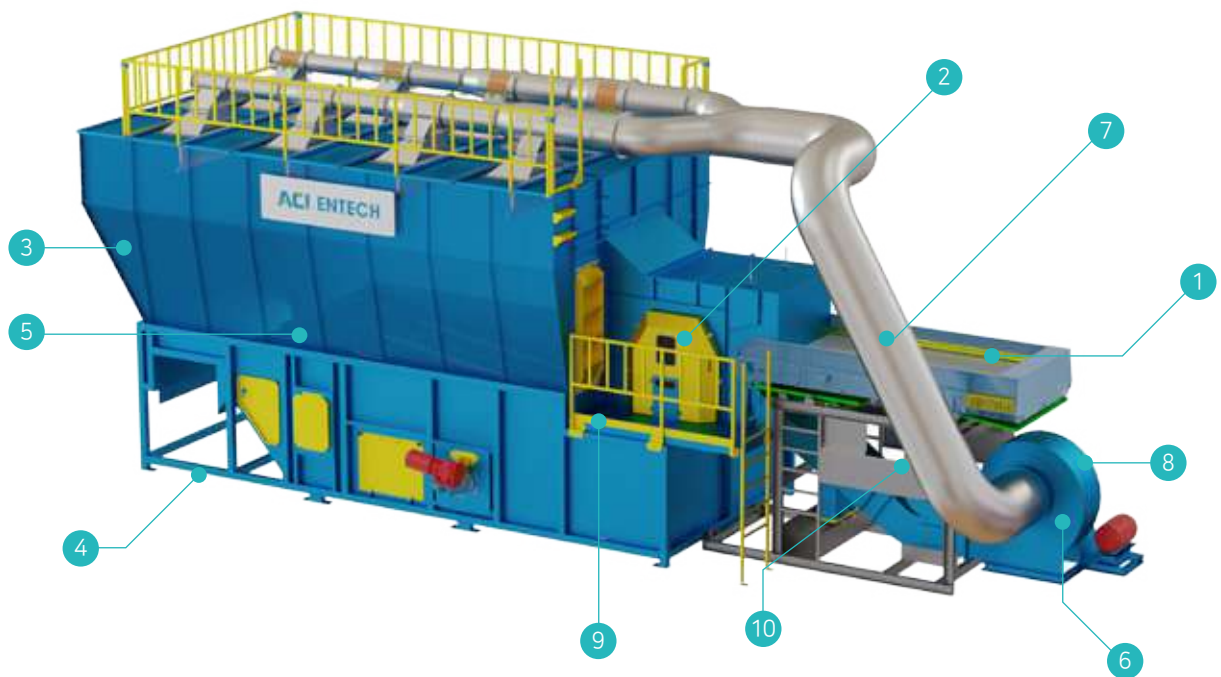


03 Air Ballistic Separator

Multi-Sorting System Separating Mixed Wastes into Five(5) Categories Great Combination of Air Shifter and Ballistic Separator

ACI ENTECH Air Ballistic Separator is a hybrid machine that combines Air Shifter and Ballistic Separator. Thanks to the great combination, the machine can separate many kinds of wastes into various shapes in one machine; Heavy Material / 3D Material / 2D Material / Fine Fraction. In addition, the bag filter purifies dusts efficiently, and the air recirculation device minimizes the dust emission.



- 1 Input Conveyor
- 2 Separation Drum
- 3 Expansion Chamber
- 4 Substructure
- 5 Ballistic Paddle
- 6 Air Circulation Blower
- 7 Air Circulation Duct
- 8 Bag Filter
- 9 Maintenance Platform
- 10 Control Panel

Applications

- Material Recovery Facility (Heavy Material, 3D Material, 2D Material and Fine Fraction)
- Mixed Waste Sorting Facility (Construction and Demolition Waste)

Features & Advantages

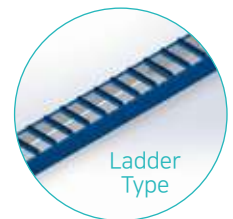
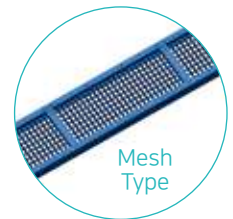
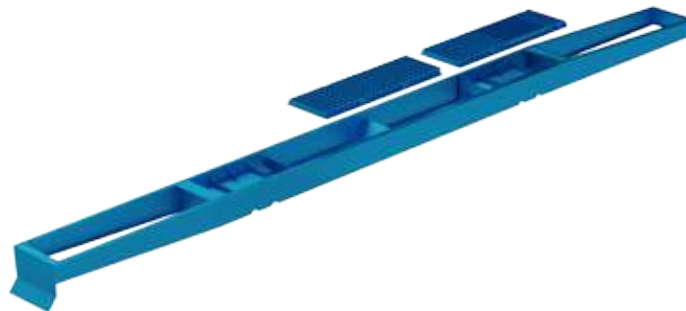
Combination of Air Shifter and Ballistic Separator – One Stop Separator

- Capacity increase by 50% compared to the conventional Ballistic Separator
- Classifying Mixed Wastes into Five(5) Categories ; Heavy Material, 3D Material, 2D Material, Fine Fraction and Dust
- Adjustable Inclination Angle(0~18°)
- Improving Efficiency of Subsequent Processes



Replaceable Grating Screen – Low Maintenance Cost and Easy Maintenance

- Modular System Design for screen and paddle
- Replaceable screen with various hole sizes and types(Mesh and Ladder)



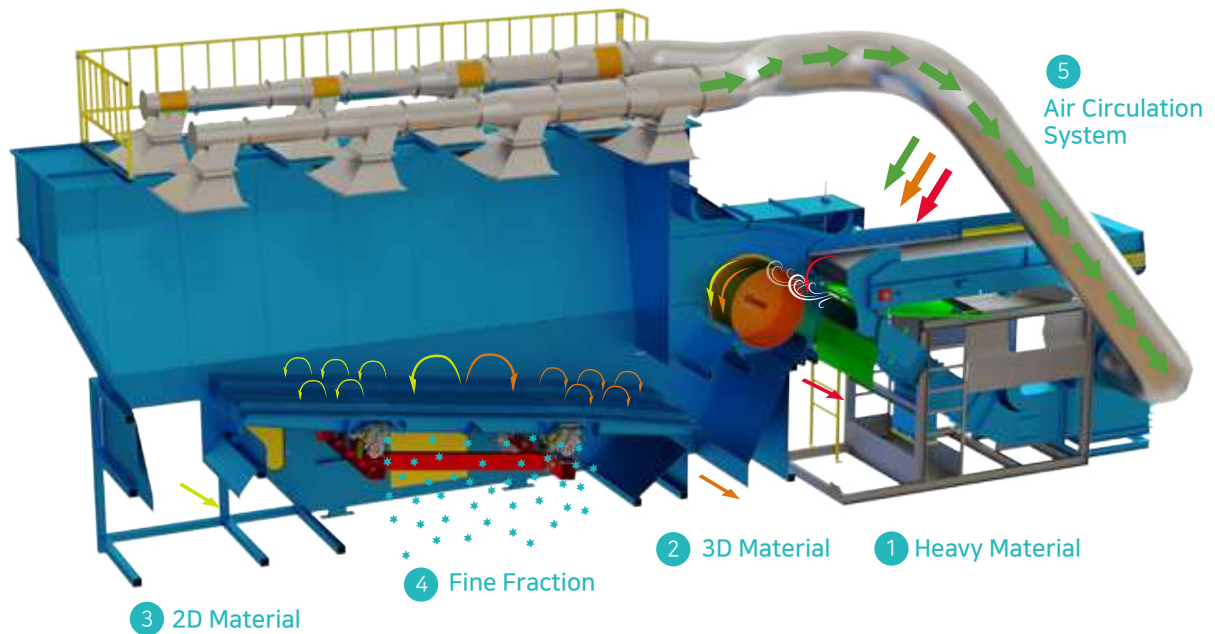
Air Circulation System – Dust Free Operation

- Minimized Dust Emission
- Discharge air purified by Bag Filter

Easy to Clean Duct – Hatch for Duct Cleaning

- No Dust Accumulation
- Securing circulation air speed & volume

Working Principle



- ① **Heavy Material** : Heavy Materials are sorted by Air Separation(e.g. Glass bottle, CSP, Metal piece)
- ② **3D Material** : Flipped downward Paddle(e.g. PET bottle, Tin, Stone)
- ③ **2D Material** : Conveyed upward Paddle(e.g. Plastic film, Paper, Textile)
- ④ **Fine Fraction** : Discharged through Paddle Holes(e.g. Sand, Glass cullet, Food waste)
- ⑤ **Air Circulation System** : Minimizing Dust Emission

Technical Data

	ACI-ASB-40	ACI-ASB-60	ACI-ASB-80	ACI-ASB-120
Capacity	80m ³ /hr 8.0ton/hr	115m ³ /hr 11.5ton/hr	161m ³ /hr 16.1ton/hr	230m ³ /hr 23.0ton/hr
Power Consumption	22.5kW	30.2kW	52.0kW	76.2kW
Power Supply	380-400V, 50/60Hz			
Dimension W x L x H	2,500 x 12,755 x 5,340mm	3,050 x 12,755 x 5,340mm	3,880 x 12,755 x 5,340mm	5,500 x 12,755 x 5,340mm

* Standard Density: 0.06ton/m³

* Depending on properties and bulk densities of input materials, the abovementioned capacity may vary
* The specifications can be modified for the quality improvement